



PTO/SB/21 (6-98)

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KPlease type a plus sign (+) inside this box → ☐Approved for use through 09/30/2000. OMB 0651-0031  
Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	10/016,939
	Filing Date	02/17/2002
	First Named Inventor	Glen Roeters, et al
	Group Art Unit	1775
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	DENSE-052A

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TC 1700

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	Group <input type="checkbox"/> Appeal Communication to Board of
<input checked="" type="checkbox"/> Charge Any Additional Fee Required, to Deposit Account No. 19-4330	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeals and Interferences
<input type="checkbox"/> Amendment/Response	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69 and Accompanying Petition)	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation, Change of	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Correspondence Address	<input type="checkbox"/> Additional Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	PTO-1449 (4 Sheets)
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Small Entity Statement	Prior Art 52 refs
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request for Refund	return postcard
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
REMARKS:		

TC-2800 MAIL ROOM

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## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	Kit M. Stetina, STETINA BRUNDA GARRED & BRUCKER
Signature	
Date	5/23/02

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: 5-23-02			
Typed or printed name	Heather Steinhauer		
Signature		Date	5-23-02

† SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231

Case: DENSE-052A



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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TC 1700

Applicant(s): Glen E. Roeters  
Andrew C. Ross

Art Unit:

Serial No.: 10/016,939

Examiner:

Filed: 12/14/2001

For: Csp chip stack with flex circuit

INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 C.F.R. SECTION 1.97

Box DD  
Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir/Madam:

Pursuant to 37 C.F.R. § 1.97, the following Information Disclosure Statement is submitted as listed on form IDS1449 enclosed herewith in duplicate. Copies of all disclosure documents are attached hereto for the Examiner's review.

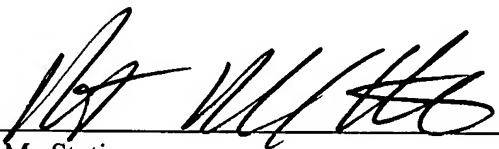
No representation is made that the references disclosed herein legally constitute prior art, or that more relevant references are not available. The disclosure documents enclosed herewith and listed on the attached form (PTO/SB/08) are printed in the English language and/or accompanied by an Abstract published in the English language.

The references listed herein, when taken alone or in combination are not believed to disclose nor make obvious the invention as claimed in the subject application.

As this Information Disclosure Statement is being submitted before the stipulated three months from the filing date of the application and/or before the mailing of a first Office Action, it is believed that no fee is required. If a fee is required, please charge Account Number 19-4330.

Respectfully submitted,

Dated: 5/23/02  
Customer No. 007663

By:   
Kit M. Stetina  
Registration No. 29,445  
STETINA BRUNDA GARRED & BRUCKER  
75 Enterprise, Suite 250  
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FORM PTO-1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. DENSE-052A

SERIAL NO. 10/016,939

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

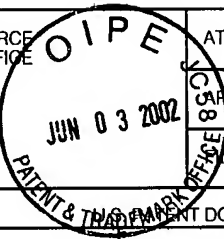
APPLICANT Glen E. Roeters, et al.

(Use several sheets if necessary)

FILING DATE December 14, 2001

GROUP 1775

(37 CFR 1.98(b))



PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3	7	2	3	9	7	7	03-27-1973	Schaufele			
		3	7	4	6	9	3	4	07-17-1973	Stein			
		4	3	7	1	9	1	2	02-1-1983	Guzik			
		4	6	3	8	3	4	8	01-20-1987	Brown et al.			
		4	7	6	1	6	8	1	08-02-1988	Reid			
		4	8	4	1	3	5	5	01-20-1989	Parks			
		4	8	5	1	6	9	5	06-25-1989	Stein, Karl-Ulrich			
		4	8	6	8	7	1	2	09-19-1989	Woodman			
		4	9	5	6	6	9	4	09-11-1990	Eide			
		5	1	1	7	2	8	2	05-26-1992	Salatino			
		5	1	2	8	8	3	1	06-07-1992	Fox, III et al.			
		5	1	9	8	8	8	8	03-30-1993	Sugano et al.			

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## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER							PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
													YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant Pages, Place of Publication\*\*\*)


EXAMINER

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformation and not considered. Include copy of this form with next communication to applicant.

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APPLICANT Glen E. Roeters, et al.

(Use several sheets if necessary)

FILING DATE December 14, 2001

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(37 DFR 1.98(b))

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 2 0 1 4 5 1	04-13-1993	Desai et al.			
	5 2 3 1 3 0 4	07-27-1993	Solomon			
	5 2 3 9 4 4 7	08-24-1993	Cotus et al.			
	5 2 6 9 4 5 3	12-14-1993	Melton et al.			
	5 2 8 2 5 6 5	02-01-1994	Melton			
	5 2 8 4 7 9 6	02-08-1994	Nakanishi et al.			
	5 3 1 1 4 0 1	05-10-1994	Gates, Jr. et al.			
	5 3 1 3 0 9 6	05-17-1994	Eide			
	5 3 2 4 5 6 9	06-28-1994	Nagesh et al.			
	5 3 2 8 0 8 7	07-12-1994	Nelson et al.			
	5 3 7 3 1 8 9	12-13-1994	Massit et al.			
	5 3 8 4 6 8 9	01-24-1995	Shen			

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 4 4 8 5 1 1	09-05-1995	Paurus et al.			
	5 4 6 6 6 3 4	11-14-1995	Beilstein, Jr. et al.			
	5 5 1 4 9 0 7	05-07-1996	Moshayedi			
	5 6 0 7 5 3 8	03-04-1997	Cooke			
	5 6 1 2 5 7 0	03-18-1997	Eide et al.			
	5 6 4 6 4 4 6	06-08-1997	Nicewarner, Jr. et al.			
	5 7 0 0 7 1 5	12-23-1997	Pasch			
	5 7 1 2 7 6 7	01-27-1998	Koizumi			
	5 7 3 1 6 3 3	03-24-1998	Clayton			
	5 7 5 9 0 4 6	06-02-1998	Ingraham et al.			
	5 8 1 8 1 0 6	10-06-1998	Kunimatsu			
	5 8 6 9 3 5 3	02-09-1999	Levy et al.			

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					YES NO

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		5	8	6	9	8	9	6	02-09-1999	Baker et al.			
		5	9	3	0	6	0	3	07-27-1999	Tsuji et al.			
		5	9	5	0	3	0	4	09-14-1999	Khandros et al.			
		6	0	5	7	3	8	1	05-02-2000	Ma et al.			
		6	1	8	0	8	8	1	01-30-2001	Isaak			
		6	2	6	2	8	9	5	07-17-2001	Forthum			
		6	3	2	3	0	6	0	11-27-2001	Isaak			

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													YES	NO
/		6	-	7	7	6	4	4	1994	Japan			X	
/		4	2	0	9	5	6	2	1992	Japan				X
/		2	2	3	9	6	5	1	1990	Japan				X
/		5	6	8	8	3	2	4	1981	Japan			X	
/		6	0	1	9	4	5	1	1985	Japan			X	

## OTHER DOCUMENTS (Including Author, Title, Date\*\*, Relevant Pages, Place of Publication\*\*\*)

			ANONYMOUS, Organic Card Device Carrier, Research Disclosure, May 1990, Number 313 ✓										
			"Megabyte per cubic inch," Defense Science, May 1988, p. 56 ✓										
			"Three Dimensional Packaging," Defense Science, May 1988, p. 65 ✓										
			Robert Amunroe, "Ball Grid Array Technology," EDN Products Edition, Jan 1997, pp. 23-24 ✓										

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